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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 2

**Complete if Known**

Application Number	09/770,113
Filing Date	Jan. 24, 2001
First Named Inventor	Wang, Ye
Group Art Unit	2133 2655
Examiner Name	TBD
Attorney Docket Number	004770.00012

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Handwritten Initials]	A	US-6,125,348	09-26-2000	Levine	
	B	US- 5,928,330	07-27-1999	Goetz et al.	
	C	US- 5,841,979	11-24-1998	Schulhof et al.	
	D	US- 5,636,276	06-03-1997	Brugger	
		US-			
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Handwritten Initials]	E	EP 0 703 712 A2	03-27-1996	C-Cube Microsystems		

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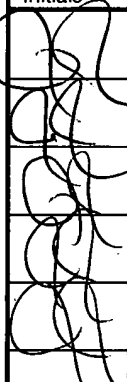
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Sheet 2 of 2

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Examiner Name	TBD
Attorney Docket Number	004770.00012

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	F	BOSSE, Modified Discrete Cosine Transform (MDCT), March 7, 1998, available at <a href="http://ccrma-www.stanford.edu/~bosse/proj/node27.html">http://ccrma-www.stanford.edu/~bosse/proj/node27.html</a>	
	G	FRAUNHOFER, MPEG Audio Layer-3, available at <a href="http://www.iis.fhg.de/amm/techinf/layer3/index.html">http://www.iis.fhg.de/amm/techinf/layer3/index.html</a>	
	H	WCDMAN - the wideband 'radio pipe' for 3G services, September 17, 1999, available at <a href="http://www.ericsson.com/wireless/productsys/gsm/subpages/umts_and_3g/wcdman.shtml">http://www.ericsson.com/wireless/productsys/gsm/subpages/umts_and_3g/wcdman.shtml</a>	
	I	GSM Frequently Asked Questions, October 23, 2000, available at <a href="http://www.gsmworld.com/technology/faw.html">http://www.gsmworld.com/technology/faw.html</a>	
	J	PERKINS, HODSON, Options for Repair of Streaming Media, Network Working Group RFC 2354, The Internet Society, June 1998.	

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Sheet	1	of	1
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## U.S. PATENT DOCUMENTS

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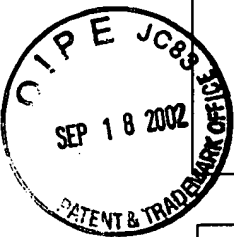
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Sheet 1 of 1



PTO-1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004770.00012	SERIAL NUMBER 09/770,113
	APPLICANT Ye Wang	
	FILING DATE January 24, 2001	GROUP ART UNIT 2133 2655

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO	
	197 36 669	10/22/98	DE				
	1 207 519	5/22/02	EPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

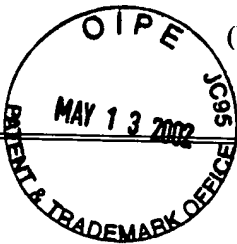
	Search Report
	Y. Wang et al., "On The Relationship Between MDCT, SDFT And DFT", WCC 2000 - ISCP 2000, August 21-25, 2000, pages 44-47
	Y. Wang et al., "A Compressed Domain Beat Detector Using MP3 Audio Bitstreams", Proceedings Of The ACM International Multimedia Conference And Exhibition 2001, ACM Multimedia 2001 Workshops, September 30, 2001, pages 194-202
	Y. Wang, "A Beat-Pattern based Error Concealment Scheme for Music Delivery with Burst Packet Loss", 2001 IEEE International Conference on Multimedia and Expo, ICME 2001, August 22-25, 2001, pages 73-76

EXAMINER <i>Spakuda Jackson</i>	DATE CONSIDERED 12/11/03
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IDS w/1449 form filed: September 18, 2002

#5

<b>FORM PTO-1449</b> (Rev. 2-32)	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Atty. Docket No.</b>	<b>Serial No.</b>
		004770.00012	09/770,113
		<b>Applicant:</b>	
		Ye Wang	
<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>Filing Date:</b>	<b>Group:</b>
		January 24, 2001	2133 2655



**COPY OF PAPERS**  
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).**

1	WANG, Y., Vilermo, M., Isherwood, D. "The Impact of the Relationship Between MDCT and DFT on Audio Compression: A Step Towards Solving the Mismatch", the First IEEE Pacific-Rim Conference on Multimedia (IEEE-PCM2000), December 13 - 15, 2000, Sydney, Australia, pp. 130 - 138
2	PERKINS, C., Hodson, O., Hardman, V., "A Survey of Packet-loss Recovery Techniques for Streaming Audio," IEEE Network, Sept/Oct. 1998.
3	ETSI Rec. GSM 6.11, "Substitution and Muting of Lost Frames for Full Rate Speech Signals," 1992
4	GOODMAN, O.J. et al., "Waveform Substitution Techniques for Recovering Missing Speech Segments in Packet Voice Communications," IEEE Trans. Acoustics, Speech, and Sig. Processing, vol. ASSP-34, no. 6, Dec. 1986, pp. 1440-1448
5	WASEM, O.J. et al., "The Effects of Waveform Substitution on the Quality of PCM Packet Communications," IEEE Trans. Acoustics, Speech, and Sig. Processing, vol. 36 no. 3, March 1988, pp. 342 - 348
6	SANNECK, H. et al., "A New Technique for Audio Packet Loss Concealment," IEEE Global Internet 1996, Dec. 1996 pp. 48 - 52
7	CHEN, Y.L., Chen, B.S., "Model-based Multirate Representation of Speech Signals and its Application to Recovery of Missing Speech Packets," IEEE Trans. Speech and Audio Processing, vol. 15, no. 3, May 1997, pp. 220 - 231

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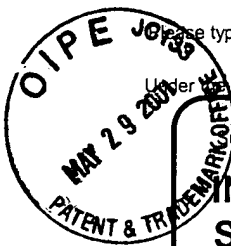
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*Jakiea Jackson*

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/770,113		
		Filing Date	01/24/2001		
		First Named Inventor	Ye Wang		
		Group Art Unit	2133		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	04770.00012

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	HERRE et al, Evaluation of Concealment Techniques for Compressed Digital Audio, Audio Engineering Society Preprint, March 16 - 19, 1993, Preprint 3460 (A1-4), Erlangen, Germany	
	2	BOLOT et al, Analysis of Audio Packet Loss in the Internet, Proc. of 5th Int. Workshop on Network and Operating System Support for Digital, Audio and Video, pp. 163-174, Durham, April 1995	
	3	International Standard ISO/IEC, Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to About 1,5 Mbit/s - Part 3, Audio, Technical Corrigendum 1, Published 1996-04-15, Ref. No. ISO/IEC 11172-3:1993/Cor.1:1996(E), Printed in Switzerland	
	4	STENGER et al, A New Error Concealment Technique for Audio Transmission with Packet Loss, Telecommunications Institute, University of Erlangen-Nuremberg, Cauerstrasse 7, 91058 Erlangen, Germany, Eusipco 1996	
	5	GOTO et al, A Real-Time Music Scene Description System: Detecting Melody and Bass Lines in Audio Signals/Machine Understanding Division, Electrotechnical Laboratory 1-1-4 Umezono, Tsukuba, Ibaraki 305-8586 JAPAN, Working Notes of the IJCAI-99 Workshop on Computational Auditory Scene Analysis, pp. 31 - 40, August 1999	
	6	McKINLEY et al, Experimental Evaluation of Forward Error Correction on Multicast Audio Streams in Wireless LANs, Department of Computer Science and Engineering, Michigan State University, East Lansing, Michigan 48824, pp 1 - 10, Copyright 2000 ACM	
	7	NISHIHARA et al, A Practical Query-By-Humming System for a Large music Database, NTT Laboratores, 1 - 1, Hikarinooka, Yokosuka-shi, Kanagawa, 239-0847, Japan, pp 1 - 38	

Examiner Signature	Date Considered 12/14/03
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Examiner Name		Group 2100
Attorney Docket Number	04770.00012	

## U.S. PATENT DOCUMENTS

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